This listing of claims replaces all prior versions and listings:

Listing of Claims:

1-15. (canceled)

16. (currently amended) A method, comprising:

determining a location of a computing unit, wherein the act of determining the location comprises receiving RF signals from a plurality of RF beacons having known locations and using environmental profiling to establish the location of the computing unit;

periodically transmitting, from the computing unit, the location of the computing unit to a network server together with a user name of a user using the computing unit; and

including an active signal with the periodically transmitted information when the user is actively using the computing unit.

17. (original) The method as recited in claim 16, wherein:

the computing unit is a mobile computing unit; and

the network server is a wireless network server.

18. (original) The method as recited in claim 16, further comprising time-stamping the transmission to the network server and transmitting the time stamp with the transmitted information.

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19-24. (canceled)

25. (original)   The method as recited in claim 16, wherein the user actively using the computing unit further comprises the user having used the computing unit within a pre-defined time period.

26. (original)   The method as recited in claim 16, wherein the periodically transmitting the location of the computer unit to a network server only occurs upon a request from the network server for the computer unit to update the location of the computer unit.

27. (original)   The method as recited in claim 16, further comprising encrypting the location of the computing unit prior to transmitting the location of the computing unit to the network server.

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28.　(currently amended)　A system, comprising:

a server having memory;

a user database stored in the memory of the server, the user database containing a user field for storing a user name of a mobile computer user, and a last known location field for storing a most recent location of a computer user identified in a corresponding user field;

a wireless access point of a wireless local area network configured to receive RF network transmissions from one or more mobile computers;

a mobile computer having memory and a wireless network interface for RF communication with the wireless access point of the wireless local area network;

a location tracking system in the mobile computer memory configured to determine, based on a beacon packet's signal strength received from the wireless access point and using a previously established radio map, a location of the mobile computer;

a location manager in the mobile computer memory configured to periodically transmit the location of the mobile computer and the user name of a mobile computer user to the server via the wireless network interface; and

a computing unit having a computing unit location manager configured to search the user database of the server to determine information regarding the location of a mobile user.

29.　(original)　The system as recited in claim 28, wherein the computing unit is a stationary computing unit.

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30. (original) The system as recited in claim 28, wherein the computing unit is a mobile computing unit.

31. (original) The system as recited in claim 28, wherein:

the mobile computer further comprises a clock;

the location manager is further configured to transmit a time of transmission to the server together with the location and user name information; and

the user database further comprises a time field for storing the time that a transmission identifying the location of the mobile user and the user name of the mobile computer user is received from the mobile computer.

32. (original) The system as recited in claim 28, wherein the user database further comprises an active field indicating if the mobile computer user has used the mobile computer within a specified time period.

33. (original) The system as recited in claim 28, wherein the location manager transmits the location of the mobile computer in absolute coordinates.

34. (original) The system as recited in claim 28, wherein the location manager transmits the location of the mobile computer in coordinates relative to a known absolute location.

35. (original) The system as recited in claim 28, wherein the location manager transmits the location of the mobile computer as a geographic unit.

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36.   (original)   The system as recited in claim 28, wherein the location manager transmits the location of a network node with which the mobile computer is communicating as the location of the mobile computer.

37.   (original)   The system as recited in claim 28, wherein:

the mobile computer is a first computer;

the system further comprises a second computer having a location manager;

the user database further comprises an active field;

the mobile computer user is logged onto both the first mobile computer and the second computer;

the location manager of the first computer and the location manager of the second computer are further configured to transmit an active signal for a specified period of time after the respective computers are used;

the active field corresponding to the first computer indicating the mobile computer user last used the first computer when the active signal is transmitted from the first computer;

the active field corresponding to the second computer indicating the mobile computer user last used the second computer when the active signal is transmitted from the second computer; and

only one active field indicating activity by the mobile computer user at any given time.

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38.   (original) The system as recited in claim 28, wherein:

the user database further comprises an OK field that contains data that identifies one or more system users that are authorized to receive data regarding the location of the mobile computer user identified in the corresponding user field.

39.   (original) The system as recited in claim 28, wherein the location manager of the computing unit is further configured to:

search the user database to locate an entry for a specific user;

calculate a time differential between a current time and a time stored in the time field corresponding to the specific user if the specific user is found;

compare the time differential to a time threshold;

recognize the location contained in the last known location field corresponding to the specific user as the location of the specific user if the time differential is within the time threshold;

transmit a signal to cause the location manager of the mobile computer to invoke the location tracking system of the mobile computer if the time differential is not within the time threshold, to determine the location of the mobile computer and transmit location and user information to the server where it is stored in the user database; and

recognize the newly stored location contained in the last known location field corresponding to the specific user as the location of the specific user.

40-44. (canceled)

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45.   (currently amended) A mobile computing unit, comprising:

memory;

a wireless network interface configured to connect the mobile computing

~~unit to a~~ unit to multiple wireless access ~~point of a~~ points of one or more remote

~~server~~ servers;

a location tracking service configured to determine a location of the mobile

computer unit <u>utilizing a radio frequency system capable of determining the</u>

<u>location by detecting signals transmitted from multiple wireless access points</u>; and

a location manager configured to periodically transmit the location of the

mobile computing unit to <u>one or more of</u> the remote ~~server~~ servers via the wireless

network interface.

46.   (currently amended) The mobile computing unit as recited in claim

45, wherein the location manager is further configured to transmit a user name of a

user logged onto the mobile computing unit to <u>one or more of</u> the remote ~~server~~

servers together with the location of the mobile computing unit.

47.   (currently amended) The mobile computing unit as recited in claim

45, wherein the location manager is further configured to transmit an active signal

to <u>one or more of</u> the remote ~~server~~ servers together with the location of the mobile

computing unit when a user logged onto the mobile computing unit has actively

used the unit within a specified period of time.

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48. (original) The mobile computing unit as recited in claim 45, further comprising a clock, and wherein the location manager is further configured to time-stamp the transmission of the location information with a time that the transmission is sent.

49. (original) The mobile computing unit as recited in claim 45, wherein the location manager identifies and transmits the location of a network node with which the mobile computing unit is communicating as the location of the mobile computing unit.

50. (currently amended) The mobile computing unit as recited in claim 45, wherein the location manager is configured to invoke the location tracking service when commanded to do so by a second computing unit or one or more of the server remote servers.

51. (currently amended) The mobile computing unit as recited in claim 45, wherein the location manager transmits an absolute location of the mobile computing unit to one or more of the remote server servers.

52. (original) The mobile computing unit as recited in claim 45, wherein the location manager transmits the a location of the mobile computing unit relative to a known absolute location.

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53.   (currently amended) The mobile computing unit as recited in claim 45, wherein the location manager transmits a geographic region to <u>one or more of</u> the remote <s>server</s> <u>servers</u> as the location of the mobile computing unit.

54.   (currently amended) The mobile computing unit as recited in claim 45, wherein the location manager is further configured to encrypt the location of the mobile computing unit before transmitting the location of the mobile computing unit to <u>one or more of</u> the remote <s>server</s> <u>servers</u>.

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55.   (currently amended) A method for locating a mobile computer user in a wireless network, comprising:

periodically identifying a location of a mobile computer that is used by a mobile user and associating a time stamp with the location indicating a time at which the location was identified, wherein the periodically identifying a location of a mobile computer further comprises identifying the location of the mobile user by measuring relative strengths of radio frequency transmissions emitted from a plurality of base stations;

transmitting the location of the mobile computer to a network server together with the time stamp and a name of the mobile user;

storing the transmitted information on the network server;

receiving a request from a computing unit for the location of the mobile user;

determining the last known location of the mobile computer by accessing the network server and finding the location having a most recent time stamp; and

recognizing the last known location of the mobile computer as the location of the mobile user.

56.   (canceled)

57.   (original) The method as recited in claim 55, further comprising:

transmitting an active signal together with the location information if the mobile user has actively used the mobile computer within a specified period of time.

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58. (currently amended) A system, comprising:

a server having memory;

a user database stored in the memory of the server, the user database containing a user field for storing a user name of a mobile computer user, and a last known location field for storing a most recent location of a computer user identified in a corresponding user field;

a wireless access point of a wireless local area network configured to receive radio frequency network transmissions from one or more mobile computers;

a mobile computer having memory and a wireless network interface for radio frequency communication with the wireless access point;

a location tracking system in the mobile computer memory configured to determine a location of the mobile computer;

a location manager in the mobile computer memory configured to transmit the location of the mobile computer and the user name of a mobile computer user to the server via the wireless network interface when a request to do so is received from the server; and

a computing unit having a computing unit location manager configured to search the user database of the server to determine information regarding the location of a mobile user.

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59.   (currently amended) A method comprising:

receiving, at a server of a wireless local area network and from a mobile computer within the wireless local area network, multiple locations of the mobile computer, each of the multiple locations received at recurring time periods and determined using RF signals received from a plurality of RF beacons;

time-stamping each of the multiple locations based on the recurring time periods at which each of the multiple locations is received;

receiving, at the server, a request from a computing unit for a current location of a mobile computer user;

determining that the mobile computer user is identified with the mobile computer;

determining which of the multiple locations has a most-recent time-stamp; and

transmitting the location having the most-recent time-stamp to the computing unit.

60.   (previously presented) The method of claim 59, wherein the server is integral with a wireless access point.

61. (currently amended) A method comprising:

receiving, at a server of a wireless <u>local area</u> network and sent from a mobile computer within the wireless <u>local area</u> network, multiple locations of the mobile computer, each of the multiple locations sent at recurring time periods;

time-stamping each of the multiple locations based on the recurring time periods at which each of the multiple locations is sent;

receiving, at the server, a request from a computing unit for a current location of a mobile computer user;

determining that the mobile computer user is identified with the mobile computer;

determining which of the multiple locations has a most-recent time-stamp;

calculating a time differential between a current time and the most-recent time stamp;

comparing the time differential with a pre-defined time threshold; and

transmitting the location having the most-recent time-stamp to the computing unit if the time differential is less than that of the pre-defined time threshold; or

invoking a location tracking service to identify<u>, based on signal strengths of beacon packets and using a previously established radio map,</u> a more-current location of the mobile computer if the time differential is greater than the pre-defined time threshold;

receiving a more-current location of the mobile computer; and

transmitting the more-current location to the computing unit.

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62.   (previously presented) The method of claim 61, wherein the server is integral with a wireless access point.

63.   (new) A method comprising:

receiving radio frequency transmissions emitted from a plurality of radio frequency base stations of a wireless local area network;

measuring relative strengths of the radio frequency transmissions;

determining a location of a mobile computing device based on the relative strengths;

identifying the location of the mobile computing device as that of a computer user;

receiving a request for the location of the computer user from a computing unit; and

transmitting the location of the computer user to the computing unit.

64.   (new) The method of claim 63, wherein the acts of receiving the radio frequency transmissions, measuring the relative strengths, and determining the location are performed by the mobile computing device.

65.   (new) The method of claim 63, wherein the act of identifying the location of the mobile computing device as that of the computer user comprises receiving from the mobile computing device an identifier associated with the computer user.

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66.   (new) The method of claim 63, wherein the act of identifying the location of the mobile computing device as that of the computer user comprises calculating a time differential between a time stamp associated with the location of the mobile computing device and a current time, comparing the time differential with a predetermined time threshold, and defining the location of the mobile computing device as that of the computer user if the time differential is less than the time threshold.

67.   (new) The method of claim 63, further comprising:

receiving an active signal indicating that the computer user has actively used the mobile computing device within a specified period of time, and wherein the act of identifying the location comprises defining the location of the mobile computing device as that of the computer user if the active signal has been received within a predetermined period of time.

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